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(54) Title: COMPOSITIONS AND METHODS RELATING TO NOVEL COMPOUNDS AND TARGETS THEREOF

(57) Abstract: The present invention relates to novel chemical compounds, methods for their discovery, and their therapeutic use. In particular, the present invention provides benzodiazepine derivatives and methods of using benzodiazepine derivatives as therapeutic agents to treat a number of conditions associated with the faulty regulation of the processes of programmed cell death, autoimmunity, inflammation, and hyperproliferation, and the like.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/13455

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61 K 31/55, 31/00; C12N 13/00

US CL : 435/173.1, 173.4, 212; 514/221, 456, 457

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/173.1, 173.4, 212; 514/221, 456, 457

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — A	WO00/66106 A2 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN) 09 November 2000(09.11.00), see full text	1-12, 15-19 ----- 13-14 and 20-28
X — A	US6524832 B1 (KUFU et al) 25.February 2003(25.02.2003), see full text.	13-14 ----- 1-12, 15-28

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/13455

Continuation of B. FIELDS SEARCHED Item 3:
CAS ONLINE, REGISTRY, CAPLUS<USPATFU, WEST
structure searched and term searched: cell death, apoptosis, benzodiazepine, F1F0-ATPase inhibitor, mitochondria, etc